APPENDIX I

## **Boring Logs and Well Construction Diagrams**

Source: IT, 1999 (Appendix B)

## Appendix B Boring Logs and Well Construction Diagrams

O DEPTH IN FEET	SAMPLE TYPE & NO.	RECOVERY/DRIVE ( in. )	BLOWS PER 6 IN.	DRILLING REMARKS	P.I.D. READING (ppm)	nscs	PROFILE	BORING NO. SB-POLA-101  COORDINATES: N. 575,992.31  E. 1,418,351.03  FIELD GEOLOGIST D. Britton CHECKED BY D. Britton APPROVED BY T. Ervin TOTAL DEPTH 7.5 ft. DESCRIPTION  COORDINATES: N. 575,992.31  E. 1,418,351.03  DATE BEGAN 10-28-96  DATE FINISHED 10-28-96  SURFACE ELEV. 8.77 ft. CORE SIZE N/A  DESCRIPTION
	HB- 4071	14	20/23/38		1	IIIL		SILT; pale yellowish brown; dry; 80% silt; 20% gravels from regional parent rock; high organic content (roots from grasses).  O.3'  SILTSTONE; moderate yellowish brown; slightly moist; non-plastic; 80% silt; 20% unweathered siltstone up to 1/2' in length; no odor; moderate
-	HB- 4072	18	13/36/39	1" of slough in top tube.		ock		reddish brown oxidation; highly weathered with distinct light brown oxidized zones.
-	Grab				N/A 	bedrock		
- 5 - 	HB- 4073	12	36/147					Moisture increasing at 7°.
Ի -		6	100		🕴	ŀ		Completely weathered SILTSTONE.
<b>-</b>	$\prod$							TOTAL DEPTH 7.5 FEET
ļ.,	HB- 4074				1			
10-	.							
L								
Γ								
Γ -	1				1			
<b>†</b> -	1							
┝ -	1				i			
15-	-				1			
┡.							1	
L.								
						l	l	
Γ .	1				ļ			
Ι.	1							
20-	1	1			1	İ	1	
├ •	-						1	
١.		1						
L .			İ				İ	
L.								
١٠٥٠					i			·
- 25			ļ					
Γ.	1	1					ı	•
<b>!</b> .	1	1			l		•	
<b>+</b> ·	1							
<b> </b>	-						l	
-30-	4							
L	]			·				
1								
Γ.	1		1		1		1	
<b>†</b> '	1				1	[	1	
<b>F</b> .	1					1	1	
1 ,,	1	1	i	1	1	ĺ	1	

DRILLING CO. : SES Incorporated

DRILLING METHOD : Hollow Stem Auger

SAMPLING METHOD : Colifornia Modified Split Spoon Sampler

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO. : 762538

DRAWN BY	BJ	CHECKED BY	CFC	12-10-99	FILE NAME &	
DATE	12/27/96	APPROVED BY	ALUS	12-12-99	DISK NUMBER	SPOLA101(HA26)



INTERNATIONAL TECHNOLOGY CORPORATION

PAGE 1 OF 1

O DEPTH IN FEET	SAMPLE TYPE & NO.	RECOVERY/DRIVE ( in. )	BLOWS PER 6 IN.	DRILLING REMARKS	P.I.D. READING (ppm)	sosn	PROFILE	BORING NO. SB-POLA-102  COORDINATES: N. 575,947.27  E. 1,418,471.18  FIELD GEOLOGIST D. Britton CHECKED BY D. Britton DATE BEGAN 10-28-96  APPROVED BY T. Ervin TOTAL DEPTH 5 ft.  DESCRIPTION
-	HB 4065	14	28/42/78			(iii	H	(FILL) Gravel; very fine sand; silt; pale yellowish brown. 1.0'
	4065		20/42//0					(BEDROCK) ARKOSIC SANDSTONE; dark yellowish orange; dry, cemented; weathered.
	No	somple				bedrock		
<b>}</b> -	Grab					ă		
5 -			<u> </u>					TOTAL DEPTH 5.0 FEET
	1							
-10-								
} -								
} -	1							
-	1							
٠,٠	1							
15-	]							
-	-							
-	ł							
20-	1							
<b>†</b> •	1	1						·
	1							
	]							
-25-	1		İ		1			
<b>-</b>	1							
-	┨							
<b>-</b>	1							
<b>†</b> .	1							
30-	]	1						
	]					1		
ļ.	4		1					
<b> </b> .	4				1			
L 35.			<u> </u>			<u></u>		

DRILLING CO. : SES Incorporated

DRILLING METHOD : Hollow Stem Auger

SAMPLING METHOD: California Modified Split Spoon Sampler

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO. : 762538

DRAWN BY BJ CHECKED BY CTC 12-10-95 FILE NAME & SPOLA102(HA26)

DATE 12/27/96 APPROVED BY AJS 12-10-99 DISK NUMBER SPOLA102(HA26)





	O.							BORING NO. SB-POLA-103
FEET	Z V	RECOVERY/DRIVE ( in. )	Ž.		ပ္			COORDINATES: N. 575,827.66
3.		~	8		). READING (ppm)	S	Щ	<u>E. 1,418,424.26</u>
DEPTH IN	TYPE	ËRY.	PER	DRILLING REMARKS	RE Ppr	uscs	PROFILE	FIELD GEOLOGIST D. Britton DATE BEGAN 10-28-96
Ė.	W W	8	BLOWS		P.1.0.	ارا	Ą.	CHECKED BY <u>D. Britton</u> APPROVED BY <u>I. Ervin</u> DATE FINISHED <u>10-28-96</u> SURFACE ELEV. <u>14,06 ft.</u>
ద	SAMPLE	REC	BLC	,	ď.			TOTAL DEPTH 9.5 ft. CORE SIZE N/A
<b>-</b> 0 -	ŝ				$ldsymbol{ldsymbol{ldsymbol{eta}}}$		OIIII	DESCRIPTION
-	Grab					ml.		SILT; dark yellowish orange; dry; 80% siit; 10% sand; 10% cemented unweathered SANDSTONE.
r -	нв-			·				1.
-	4067	14	28/42/40			×	閶	(BEDROCK) SANDSTONE; moderate olive brown; slightly moist; non-plastic.
	нв-				1	bedrock		
	4068	18	15/17/19		1	ă		<u>,</u> ,
-	Cras				l			4.1  SILTSTONE; moderate yellowish brown; slightly moist; non-plastic; 45% silt; 15% sond; 40% up to 1° dia. gravel.
- 5 -	Grob		L		1			45% silt; 15% sand; 40% up to 1" dia. gravel.
L	HB- 4069	12	37/25/47			*	<u> </u>	
	1003	_	200			bedrock		
Ի -		- 6	200		0.2~0.3	ء		
-	Sample				ļ :			
					1			
Γ	윈				<u> </u>		==	
-10-	1							TOTAL DEPTH 9.5 FEET
	-						•	
L		İ				1		
[	]							
-	1				]		1	
	<b>∤</b> ∣						ļ	
- 15 -					1	l	l	
-15-	1	ŀ						
┝╶	1							
┡ -	4				l		l	1
	l			ļ				
Γ	1						l	
┝╶	1				1	ļ		
-20-		1			1			
	İ				l			
Γ .	]						1	
┞ -	1		1					
	-		]			Į	l	
			İ				i	
Γ΄	1	1	ľ				1	
-25-	1			1		1	1	
	4		1					
L.	j		1		1		l	
Γ `	]						1	<u>[</u>
┞ ・	1	Ì		·	1	1	1	
┡ .	4					1		
L ,,,	1		l					
L30.	7		ł			ŀ	l	
Ի ·	1		ł		1	İ		
<b>L</b> .	1	1		1	1		1	
-25	1	l			1	1	1	
Γ.	1				1	1		
٠ ا	1				1	1		
٦,	1	l	ļ.	1	1	1	1	

DRILLING CO. : SES Incorporated

DRILLING METHOD : Hollow Stem Auger

SAMPLING METHOD: California Modified Split Spoon Sampler

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO.: 762538

DRAWN BY BJ CHECKED BY CFC (1/0/04 FILE NAME & DISK NUMBER SPOLA103(HA26)





O DEPTH IN FEET	SAMPLE TYPE & NO.	RECOVERY/DRIVE (in.)	BLOWS PER 6 IN.	DRILLING REMARKS	P.I.D. READING (ppm)	sosn ,	PROFILE	BORING NO. SB-POLA-104  COORDINATES: N. 575,787.06  E. 1,418,362.59  FIELD GEOLOGIST D. Britton CHECKED BY D. Britton DATE BEGAN 10-28-96  APPROVED BY T. Ervin TOTAL DEPTH 10.5 (I. CORE SIZE N/A  DESCRIPTION
L ° .	Grab	4	50	Hard topsoil.				(FILL) SILT; pale yellowish brown; 50% silt; 20% gravel; 30% very fine sand.
ļ.	HB- 4061	8	50/110		0.3			
	Grab					ш		
- 5 -	HB- 4062	17	35/60/75		0.2	-		(BEDROCK) ARKOSIC SANDSTONE; dark yellowish orange; dry, dense; moderately camented; yery fine to fine grained; slight moisture; few cemented nodules up to 1° in length.
	Grab							comented; very fine to fine groined; slight moisture; few cemented nodules up to 1" in length.
ļ .	HB- 4063	12	7/8/10			bedrock		Moist at 7.5°.
┡ -	Grob					8		
-10-	HB- 4064	12	35/80					Becomes dry at 9.5°.
┝ -								TOTAL DEPTH 10.5 FEET
<b>Ի</b> -	1							
Ι.	1	-						
٠, [	1					!		
15-								
ļ.								
┡.								
├ -	ł							
-20-	1				•			
<b>ŀ</b> ·	1							
Ι.	1							
<b>†</b>	1							
25	]					1		
ļ. ~.	1		İ					
ļ.								
١.	1							
-	-							
-30-	1				]			
<b>ነ</b>	1							
Ι.	1							
[ .	1							
35								

DRILLING CO. : SES Incorporated

DRILLING METHOD : Hollow Stem Auger

SAMPLING METHOD: California Modified Split Spoon Sampler

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO.: 762538

DRAWN BY

BJ CHECKED BY

C/C (2/)3/4

FILE NAME & SPOLA104(HA26)

DATE

12-20-96

APPROVED BY

Au/S, 2-0-99

DISK NUMBER

SPOLA104(HA26)





	O DEPTH IN FEET	SAMPLE TYPE & NO.	RECOVERY/DRIVE ( in. )	BLOWS PER 6 IN.	DRILLING REMARKS	P.I.D. READING (ppm)	nscs	PROFILE	BORING NO. SB—POLA—118  COORDINATES: N. 575,889.43  E. 1,418,256,43  FIELD GEOLOGIST C. Carlton CHECKED BY C. Carlton APPROVED BY T. Ervin TOTAL DEPTH 17. It.  DESCRIPTION  COORDINATES: N. 575,889.43  E. 1,418,256,43  DATE BEGAN 10/10/96  SURFACE ELEV. 12,65 ft. CORE SIZE N/A  DESCRIPTION
		4			Slow drilling.		ch		(FILL) SILTY CLAY with GRAVEL; pale yellowish brown; dry; medium stiff; high plasticity, 20% grovel; abundant fine roots.
ļ		Grab					sm		Well Graded SILTY SAND with GRAVEL; dark yellowish orange; dry, dense; 50% very fine to medium sand; 30% silt; 20% gravel to 2cm dia.  (BEDROCK)
ŀ			9	18/50-3					ARKOSIC SANDSTONE; dark yellowish orange; dry; very dense; weakly— cemented; weathered; very fine—to fine—grained.
ł	•	HB- 4039	7	100-6"		0.4			Groyish oronge; slightly weathered; locally well—cemented; dry to slightly moist.
ŀ	- 5 ~	Grab							illose.
İ	• •	J.							
		14	7	50-3			į		
l							ķ		
ŀ	-10-	Sampled -					bedrock		
ł									
ł		Not			Very hard drilling.				
İ	-	Grob							
Ī	- 15 <del>-</del>								
ļ									
	- · -	1							
ł									TOTAL DEPTH 17.0 FEET  Note: Borehole grouted to surface.
ŀ									•
Ì	-20-	İ							·
				ŀ					
ı						İ			
	-25-	1							
		1							
							•		
	_	1							
	- -30-								
		1							
		-							
		-							
		1							
	7-	i	1	1	I	1		í	3

DRILLER: Mark Nelson

 ${\tt DRILLING\ CO.\ : SES\ Incorporated}$ DRILLING METHOD : Hollow Stem Auger

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield PROJECT NO. : 762538

T.R.S. CHECKED BY Cfc 11-10-19
12-20-96 APPROVED BY Herbit-10-4 DRAWN BY FILE NAME & POLA-118(HA26)



INTERNATIONAL TECHNOLOGY CORPORATION

PAGE 1 OF 1

## TABLE B2-1 POL AREA MONITORING WELL CONSTRUCTION DETAILS HAMILTON AAF-BRAC PROJECT #762538

		D =	DEPTH	(IN.)	SCREEN INTERVAL (FT.)	PACK INTERVAL (FT.)	INTERVAL (FT.)	SEAL INTERVAL (FT.)	PVC	STEEL MONUMENT STICKUP (FT.)
7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10/18/96	17.6	15	10.0	5.0-15.0	4.0-17.6	1=	0-2.0	<del></del>	
INTO I OBT THE			26	10.0	16.0-26.0	14.0-28.0	12.0-14.0	0-12.0	2.1	2.4
MW-POLA-117B	10/19/97	28		10.0	5.0-15.0	4.0-16.4	2.0-4.0	0-2.0	2.1	2.6
MW-POLA-118	10/24/97	16.4	15			4.0-17.0	2.0-4.0	0-2.0	2.2	3.0
MW-POLA-119	10/11/97	17	14.4	12.0	1			0-12.0	2.9	3.6
	1/30/97	31.8	30.66	8.63	15.0-30.0	14.0-31.8	12.0-14.0		<b>!</b>	
MW-POLA-120	<del></del>	l	32.67	8.63	7.0-32.0	6.0-33.6	3.0-6.0	0-3.0	2.4	3.4
MW-POLA-121	1/31/97	33.6	32.07	0.00	1		<u></u>			

Checked By: \_

Page 1 of 1

6/3/97 WELLCON.XLS

## APPENDIX B2: MONITORING WELL LOGS, COREHOLE LOGS, AND CONSTRUCTION DIAGRAMS

Well Number Log/Diagram

MW-POLA-117A Monitoring Well Log

MW-POLA-117B Monitoring Well Log - Abandoned

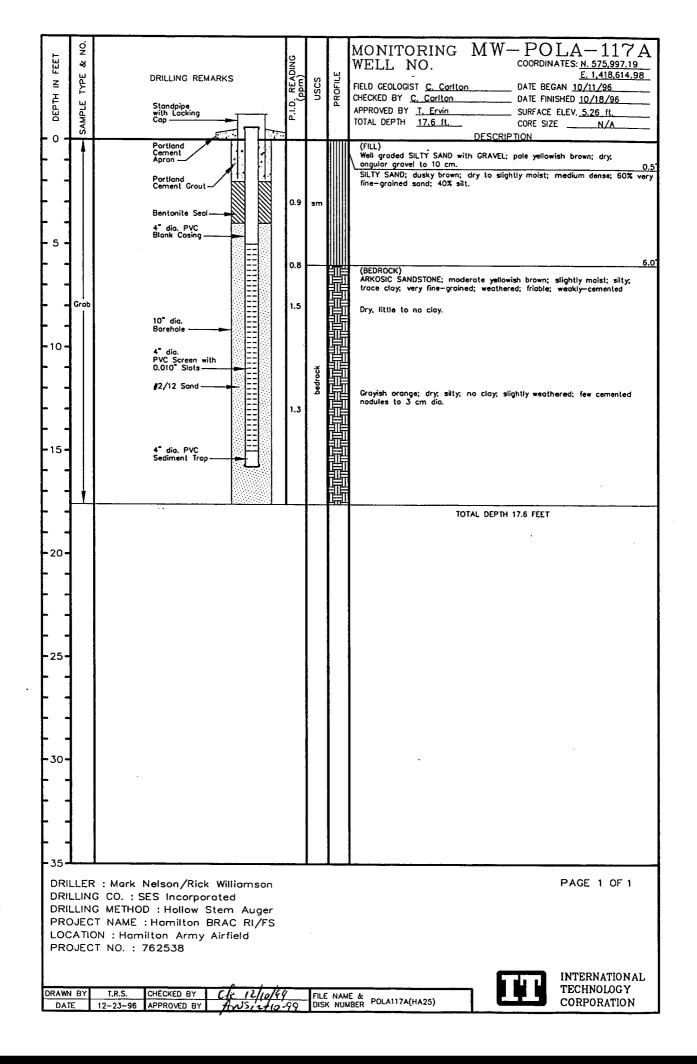
MW-POLA-117B Monitoring Well Log - Redrill

MW-POLA-118 Monitoring Well Log - Redrill (SB-POLA-118 was abandoned)

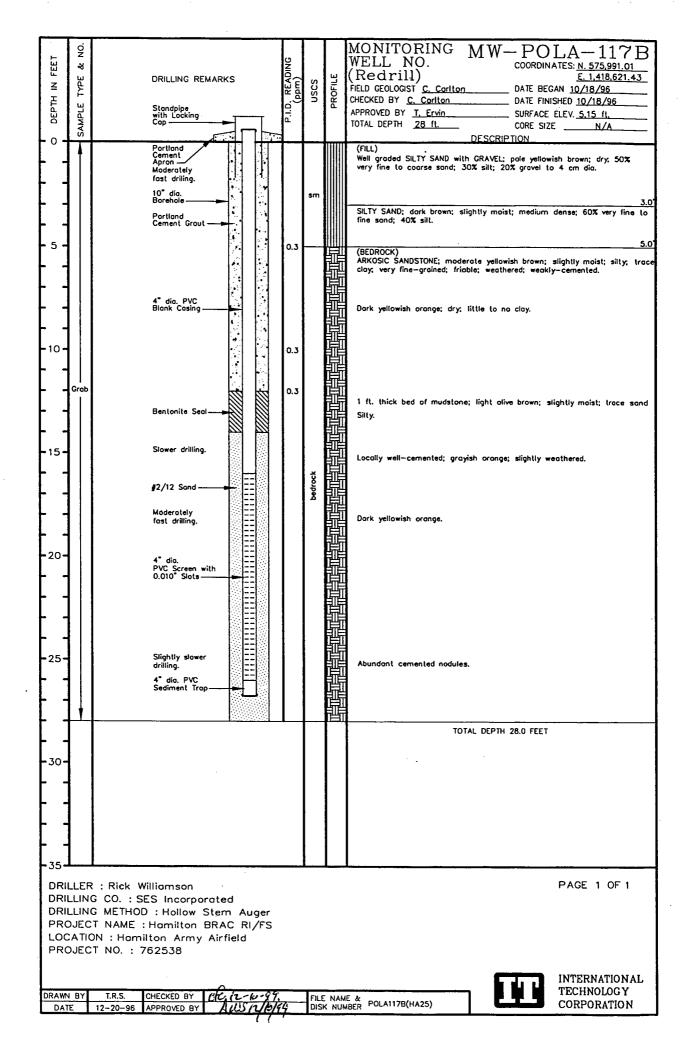
MW-POLA-119 Monitoring Well Log

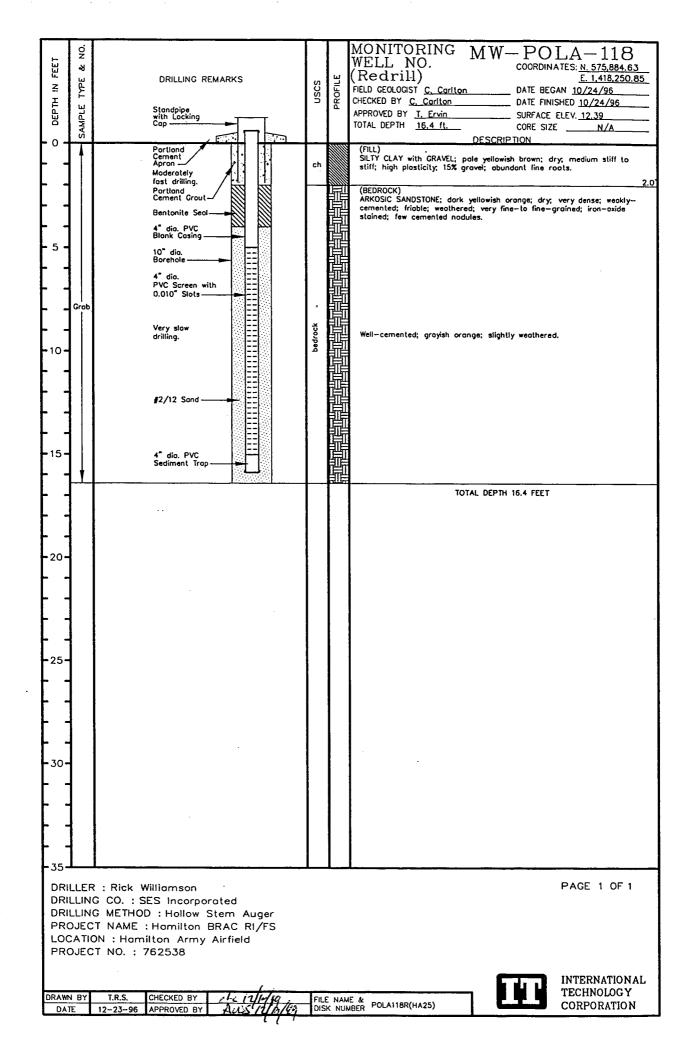
MW-POLA-120 Corehole Log, Well Construction Diagram

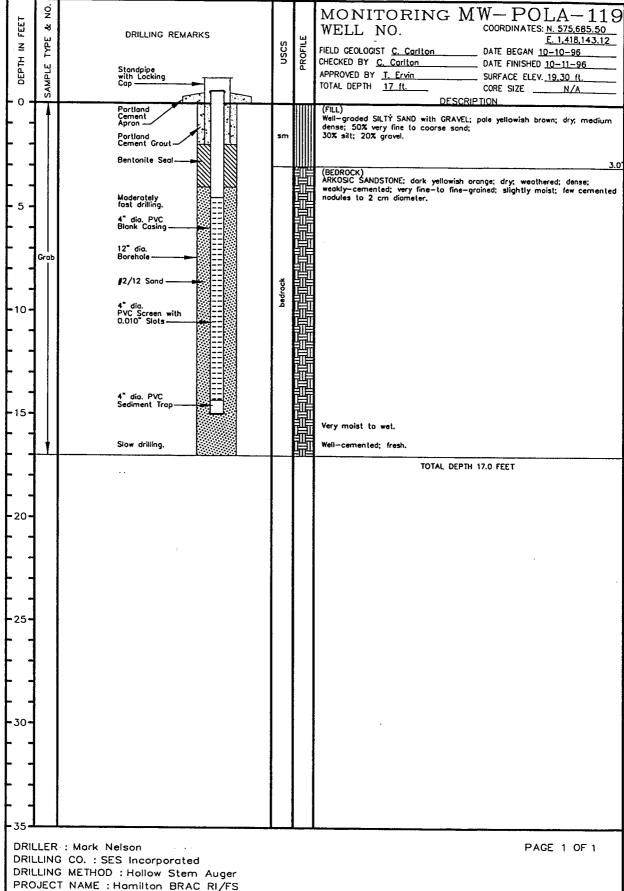
MW-POLA-121 Corehole Log, Well Construction Diagram



O DEPTH IN FEET	SAMPLE TYPE & NO.	DRILLING REMARKS	SOSA	PROFILE	MONITORING MW—POLA—117B WELL NO. COORDINATES: N. N/A E. N/A  FIELD GEOLOGIST C. Corlton DATE BEGAN 10/11/96 CHECKED BY C. Corlton DATE FINISHED 10/11/96 APPROVED BY T. Ervin SURFACE ELEV. N/A TOTAL DEPTH 30 ft. CORE SIZE N/A  DESCRIPTION
		Moderately fost drilling.	ŝm		(FILL) Well graded SiLTY SAND with GRAVEL; pale yellowish brown; dry, 50% very fine to coarse sand; 35% silt; 15% angular gravel and rocks.  2.0  SILTY SAND; dusky brown; slightly moist; medium dense; 60% very fine to fine sand; 40% silt.  (BEDROCK)
-10-					ARKOSIC SANDSTONE; moderate yellowish brown; slightly moist; silty, trace clay, very fine-grained; friable; weathered; weakly-cemented.  Dark yellowish arange.  Grayish arange; dry, silty; no clay, slightly weathered; few cemented nadules 2 cm dia.
- 15	Grob		bedrock		Dark yellowish orange.
-20-					Abundant cemented nodules to 22 ft.; nodules are hard; calcite—cemented; dork greenish gray; quartzo—feldspathic with minor mica.
-30-					Abundant cemented nodules to 29 ft.  TOTAL DEPTH 30.0 FEET
75-		·			Note: Borehole wos grouted to surface.
DRI DRI PRO LOC	LLIN LLIN DJEC CATIO	R: Mark Nelson G CO.: SES Incorporated G METHOD: Hollow Stem Auger T NAME: Hamilton BRAC RI/FS DN: Hamilton Army Airfield T NO.: 762538			PAGE 1 OF 1
DRAW DAT	_	T.R.S. CHECKED BY C/C 11/0/00 12-20-96 APPROVED BY Aus (2-12-59	FILE	E NAI	ME & MW-117B(HA26)  INTERNATIONAL TECHNOLOGY CORPORATION







PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO.: 762538

DRAWN BY BJ CHECKED BY FILE NAME & MPOLATIO (HA23) 12/27/96 APPROVED BY



	O DEPTH IN FEET	RUN NUMBER	RECOVERY/DRIVE ( in. )	% RECOVERY	% RQD	DRILLING REMARKS	nscs	PROFILE	COREHOLE NO. MW—POLA—120  COORDINATES: N. N/A  E. N/A  FIELD GEOLOGIST C. Carlton CHECKED BY C. Carlton DATE BEGAN 11/4/96  APPROVED BY T. Ervin TOTAL DEPTH 40 (t. CORE SIZE 3"(Run 1).2-1/4"  DESCRIPTION (Runs 2-5),1.9"(Runs 6-26)
		i	9	25	0	Moderately fast drilling (auger).	sm		(FILL) SILTY SAND with GRAVEL; moderate yellowish brown; dry to slightly moist; loose; abundant organic matter; angulor fragments of yellowish gray very fine-grained sandstone in a light brown iron-oxide matrix.
		2	9	38	0		<u> </u> -	▓	(BEDROCK) 4.0
ł	- 5 <b>-</b>								ARKOSIC SANDSTONE; dark yellowish orange; very fine-grained; weathered.  Highly weathered, fractured 3" interval; clay-filled.
	10-	3	18	30	0				inging moduloso, modulos o micros, coy mico.
		4	18	75	56				
	-	5	18	75	56	Hard drilling at 14 ft.			
	-15-	6	12	67		NX coring from 14-40 ft.  Driller injected water.  Note: no RQD for 1.9" core.			Massive; medium light gray; very fine-grained; fresh; ~40% quartz; ~40% feldspar; 10% mofics; well-cemented; numerous discontinuous calcite veins 1-2 mm wide; few moderate yellowish brown iron-oxide stained zones surrounding < 1mm wide, iron-oxide/colcite-filled fractures;
ŀ		7	14	100				調	poorly—defined mofic mineral laminations. Veins and fractures are high angle (>45°).
ŀ		8	19	86					Numerous high—angle to vertical cross—cutting colcite veins; white.  Two 1mm thick fractures; quartz—and chlorite—filled with slickenside fineations; no evidence of saturation.
	20-	9	17	94			bedrock	鸗	
		10 11	17	100			ă		
ŀ		12	18	100					·
ŀ		13	5	56	   N/A			引	fron-oxide stained fracture; ~1 mm wide; partially filled with iron-oxide;
ŀ	• -	14	6	100	İ				opproximately 45° dip. Iron—oxide stained and partially filled fractures.
ŀ	25-	15	20	100					Iron—oxide stained and portially মিled fracture; near horizontal; uneven.
	• •	16	31	100					
ł	• +	17	5	100				閶	Shole interbed; 2 mm thick; medium dork groy; 20' dip.
ł	-30-	18	12	100					
ł	•	20	11	100					Numerous subvertical calcite veins to 33 ft.; white and gray, 2 cm thick dark gray shale interbed at 32.3 ft. Shale fragments incorporated into
		21	24	100					colcite veins.
f	• -	22	15	100					
t	.35	`			ئـــــــــــــــــــــــــــــــــــــ		l	FITT	
١				k Wil		on ·			PAGE 1 OF 2

DRILLING CO.: SES Incorporated
DRILLING METHOD: 0-14': Dry Coring through 8" H.S.A.;14'-40': 3" O.D. NX Coring;

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO. : 762538

DRAWN BY T.R.S. CHECKED BY FILE NAME & MPOLA120(HA25)



OEPTH IN FEET	RUN NUMBER	RECOVERY/DRIVE ( in. )	% RECOVERY	% RQD	DRILLING REMARKS	SOSO	PROFILE	COREHOLE NO. MW—POLA—120  COORDINATES: N. N/A  E. N/A  FIELD GEOLOGIST C. Carlton  CHECKED BY C. Carlton  APPROVED BY I. Ervin  TOTAL DEPTH 40 ft.  DESCRIPTION (Runs 2-5),1.9*(Runs 6-26)
	23	13	100	l 🛊			間	Shale lamination, dip ~20'. Calcite veining along bedding plane and subsequent near-vertical veining; several veins include light bluish
Γ	24	11	100		İ		閶	mineralization.
<b> </b>				N/A	0 05 06	bedrock	阗	harmata de Nord et al 10 de a
<b>Ի</b> -	25	20	100		Runs 25 and 26: Drilling speed increased.	þed	朧	Increosing density of errotic calcite veins. Some fractures may be only portially filled (core from 38 ft. to 40 ft. is broken).
-	26	13	100					
-40-	<u> </u>	13	100	1		<u> </u>	齛	
┡ -								TOTAL DEPTH 40.0 FEET
L.								
<u>l</u> _								
Γ								
┞ ‐	1						ŀ	
45-	1							
<b>-</b>								
<b>-</b>								
L -								
-50-								
"								
Γ								
† <sup>-</sup>								
<b>†</b> -				• •				·
<b>-</b>								
-55-								
L .								
60-	1							
† <sup>-</sup>								
<b>†</b> -					·			
<b>}</b> -				!				
-								
-65-								
ļ								
L.					·			
Γ								
Γ								

DRILLING CO. : SES Incorporated

DRILLING METHOD: 0-14': Dry Coring through 8" H.S.A.; 14'-40': 3" O.D. NX Coring;

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

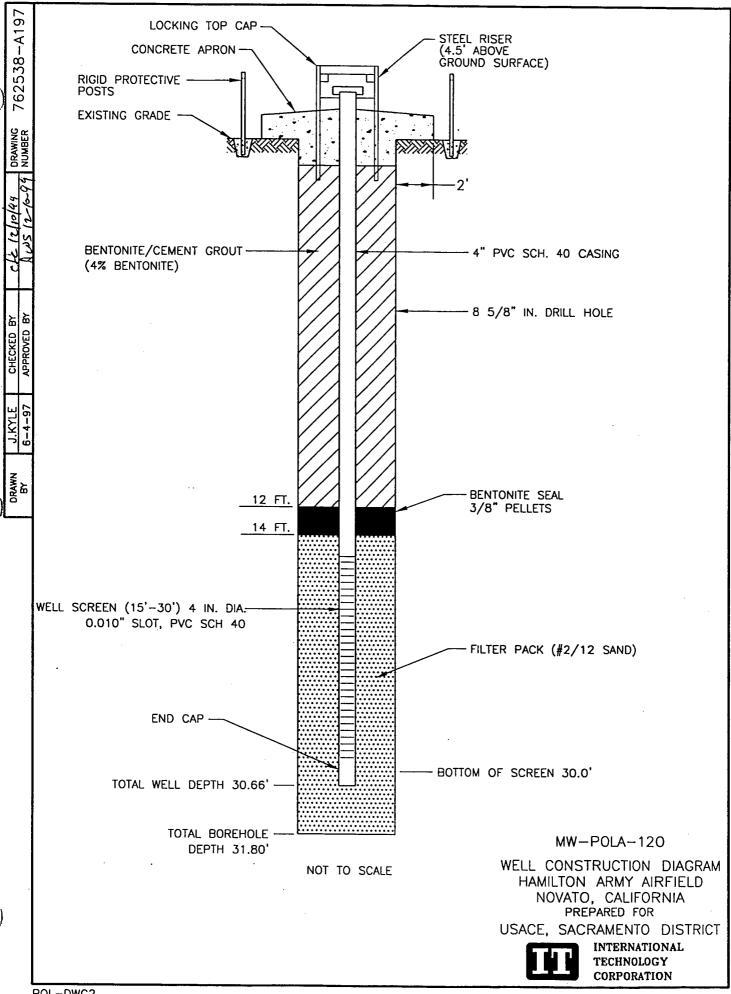
PROJECT NO. : 762538

DATE 12/30/96 APPROVED BY A: 12-70-27 DISK NUMBER MPOLA120(HA25)



INTERNATIONAL TECHNOLOGY CORPORATION

PAGE 2 OF 2



DEPTH IN FEET	RUN NUMBER	RECOVERY/DRIVE ( in. )	% RECOVERY	DRILLING REMARKS	nscs	PROFILE	COREHOLE NO. MW—POLA—121  COORDINATES: N. N/A  E. N/A  FIELD GEOLOGIST C. Carlton CHECKED BY C. Carlton APPROVED BY T. Ervin TOTAL DEPTH 40 ft.  DESCRIPTION
	NO CORING	N/A	N/A	Auger drilling. Slower drilling.			(FILL) Well graded GRAVELLY SAND with SILT; moderate yellowish brown; slightly moist to dry; 50% very fine to coorse sand; 30% gravel and angular rocks; 20% silt; trace clay.
	1	4	8	NX coring with water injection.	sw		
-							
10-	2	0	0				
<u> </u>	3	2	11			*****	
	4	10	56				(BEDROCK) 12.5
	5	0	0				ARKOSIC SANDSTONE; medium gray; very fine-grained; mossive; fresh; indurated; calcita-cemented; few partially iron-axide stained fractures;
	6	0	0	•		淵	~20' to 45' dip.
<b>-</b> 15-	7	12	92	PID = 0.4ppm			Medium dark gray to 16' with abundant iron—oxide filled fractures. Run 7:
<b>Ի</b> -	8	1	9				Core is broken; one piece has a partially open fracture (<1 mm) with iron-oxide staining.
-	9	6	100			漕	Numerous subvertical calcite-filled fractures to 20'; <1-2 mm wide,
-	10	26	100				
<b>-</b>	"	20	100			朧	
-20 <b>-</b>	11	29	97	PID = 0.3ppm PID = 0.2ppm			Fining—upward sequence with shale introclasts.
	12	8	100			灩	
1	13	13	81		drock	淵	Shale lamination; black; approximately 0.5 cm thick; dip ~30".
-25-	14	24	100		bed		
<b>†</b> 7	15	14	100			灛	
	16	27	90				Shale lamination; approximately 0.3 cm thick.  Fracture <1mm wide; black to dusky brown coaling (hydrocorbon?);  ~20' dip.
-						曹	Calcite-filled fracture; subvertical; up to 1 cm wide; several generations of filling; few discontinuous pores.
-30-				Slightly faster coring.		淵	·
<b>h</b> -	17	28	100			淵	
-			<u> </u>				Very fine—to medium—grained.
<b>-</b>						雪	
L -	18	33	92			曹	
-35-						闏	
	LLER	: Ric	ck Wi	lliamson			PAGE 1 OF 2

DRILLING CO. : SES Incorporated

DRILLING METHOD: 0-5';8" H.S.A., No Coring;5'-40';3" O.D. NX Coring

PROJECT NAME : Hamilton BRAC RI/FS LOCATION : Hamilton Army Airfield

PROJECT NO.: 762538

DRAWN BY	T.R.S.	CHECKED BY	FILE NAME &	
DATE	12-30-96	APPROVED BY	DISK NUMBER	MPOLA121(HA25)



				<del> </del>			
25 DEPTH IN FEET	RUN NUMBER	RECOVERY/DRIVE ( in. )	% RECOVERY	DRILLING REMARKS	SOSO	PROFILE	COREHOLE NO. MW—POLA—121  COORDINATES: N. N/A  E. N/A  FIELD GEOLOGIST C. Carlton  CHECKED BY C. Carlton  APPROVED BY T. Ervin  TOTAL DEPTH 40 ft.  DESCRIPTION
F35-					_	醧	Some as above.
T -	19	10	28				
-	1				badrock	嘣	
	<b>_</b>				ρ		
	20	19	79		:	讍	
40-							TOTAL DEPTH 40.0 FEET
┞ -	1						
┞ ⁻							
<b>Ի</b> -						l	
┞ ⁻							
45-							
┟╶	1						
┝ -	1						
<b>-</b>	ı					ŀ	
<b>-</b>							
-50-						ĺ	·
<b>-</b>							
<b>ŀ</b> -							
-				••			
-55-							
-							
<u> </u>							
-							
┡╶┥							
-60-							
-60-							
				·			
-							
-65-							
-65- -							
┡╶╡				·			
┡╶┧							
l							

DRILLING CO. : SES Incorporated

DRILLING METHOD: 0-5';8" H.S.A., No Coring;5'-40';3" O.D. NX Coring PROJECT NAME: Hamilton BRAC RI/FS

LOCATION : Hamilton Army Airfield

PROJECT NO. : 762538

DRAWN BY T.R.S. CHECKED BY FILE NAME & MPOLA121(HA25)



INTERNATIONAL TECHNOLOGY CORPORATION

PAGE 2 OF 2

